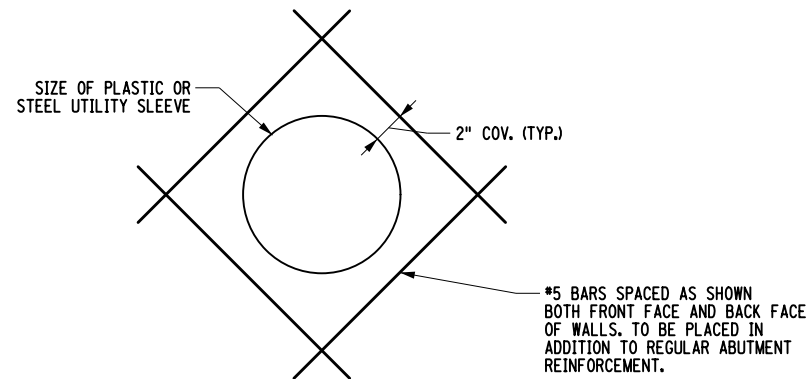
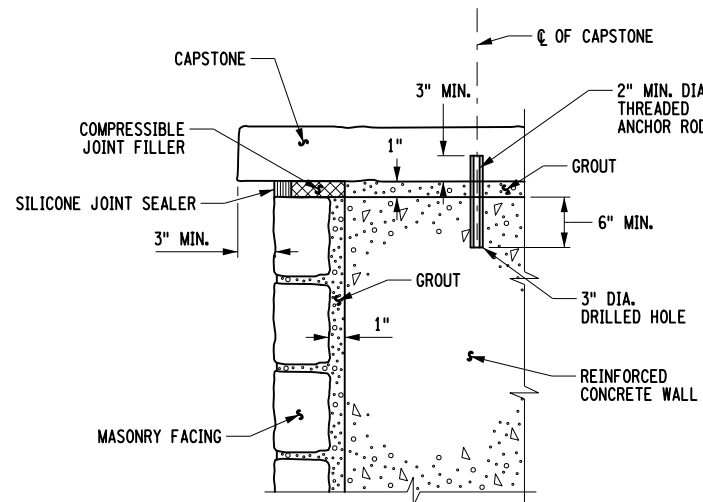


MASONRY TIE DETAILS  
NOT TO SCALE



NOTE:  
ONLY SPECIAL UTILITY SLEEVE  
REINFORCEMENT FOR ABUTMENT  
IS SHOWN FOR PURPOSES OF CLARITY.

CIRCULAR UTILITY SLEEVE REINFORCEMENT  
NOT TO SCALE



CAPSTONE DETAIL  
NOT TO SCALE

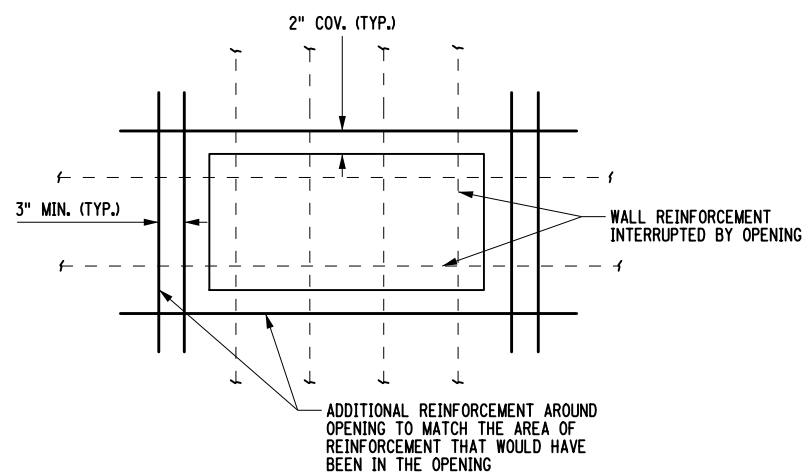
CAPSTONE NOTES:

CAPSTONES MAY BE STONE MASONRY, PRECAST CONCRETE  
OR CAST-IN-PLACE CONCRETE.

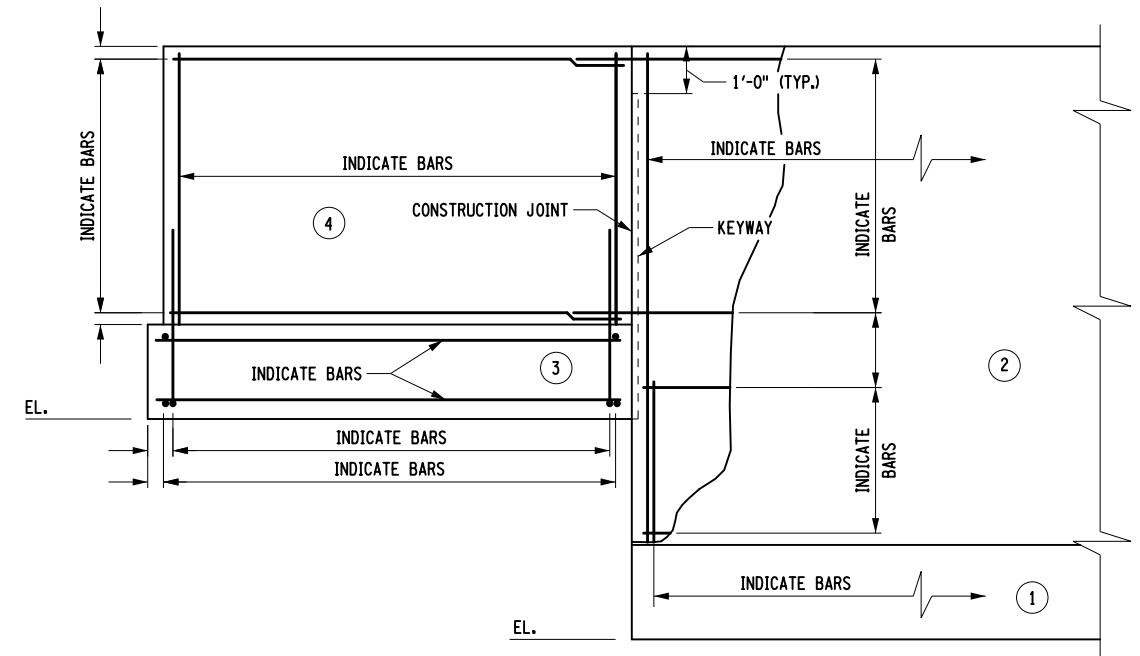
CAPSTONES SHALL BE FULL WIDTH OF WALL PLUS OVERHANG.  
OVERHANG SHALL BE PROVIDED WHENEVER POSSIBLE. LARGER  
OVERHANGS SHALL HAVE A DRIP GROOVE.

PRECAST AND STONE MASONRY CAPSTONES SHALL HAVE A  
MINIMUM OF 2 ANCHORS PER SEGMENT. ANCHORS SHALL BE  
PLACED 6" MINIMUM FROM THE SEGMENT ENDS. ANCHORS  
MAY BE GALVANIZED OR STAINLESS STEEL AND MAY BE CAST  
IN THE WALL OR DRILLED AND GROUTED.

SEE BD-AB9E FOR STONE VENEER PANEL WALL DETAILS.



RECTANGULAR UTILITY OPENING REINFORCEMENT  
NOT TO SCALE



STEPPED FOOTING ELEVATION  
NOT TO SCALE

DESIGNER NOTES:

REFER TO BRIDGE MANUAL, SECTION 11 FOR STEPPED  
FOOTING CRITERIA.

REFER TO BRIDGE MANUAL, SECTION 15.12 FOR THE  
REQUIREMENTS FOR THE USE OF CORROSION PROTECTED  
REINFORCEMENT IN SUBSTRUCTURES.

FOR KEYWAY DETAILS, SEE BD-AB6E.


MINIMUM REINFORCEMENT IS SHOWN FOR RECTANGULAR  
OPENINGS AND SHOULD BE CHECKED BY THE DESIGNER  
FOR ITS ADEQUACY.

THE USE OF STONE OR MASONRY FACING SHOULD BE  
AVOIDED DUE TO FUTURE HIGH MAINTENANCE COSTS  
AND SAFETY HAZARDS ADJACENT TO OR OVER TRAFFIC.

NOTES:

COVER FOR STEEL REINFORCEMENT IN FOOTING SHALL BE  
3" UNLESS OTHERWISE NOTED. ALL OTHER COVER SHALL  
BE 2" UNLESS OTHERWISE NOTED.

(NO.) - INDICATES CONCRETE PLACEMENT NUMBER

REVISED	 <b>NEW YORK</b> STATE OF OPPORTUNITY.	<b>Department of Transportation</b> <b>Office of Structures</b>	
6/28/10			
	MISCELLANEOUS ABUTMENT DETAILS		
ERRATA			
12/20/16	APPROVED: 12/20/16 ORIGINAL SIGNED BY <u>RICHARD MARCHIONE, P.E.</u> DEPUTY CHIEF ENGINEER (STRUCTURES)	ORIGINAL ISSUED UNDER EB 08-002  CURRENT ISSUED UNDER EB 16-050 EFFECTIVE WITH THE LETTING OF 12/20/16	